

U. S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
MATERIAL SAFETY DATA SHEET

SECTION I

Manufacturer's Name ELF AQUITAINE ASPHALT, INC.	Emergency Telephone No. 812/232-0421
Address (Number, Street, City, State and ZIP Code) 1000 EXECUTIVE PARKWAY P. O. BOX 27327 ST. LOUIS MISSOURI 63141	
Chemical Name and Synonyms POLYMERIZED ASPHALT CEMENT	Trade Name and Synonyms / STYRELF 13/
Chemical Family PETROLEUM HYDROCARBON	Formula

SECTION II INGREDIENTS

COMPOSITION	C.A.S. NO.	%
ASPHALT	8052-42-4	90-99
POLYMER, STYRENE-BUTADIENE	9003-55-8	1-10

As with asphalt, hot polymer modified asphalt may form hydrogen sulfide (gas). H₂S is a colorless toxic gas which in low concentrations may cause nausea, headache, eye and respiratory irritation. High concentrations may cause unconsciousness and possible death. Great care must be taken when opening tank where concentration may be high. Keep face at least two (2) feet from hatches when opening and avoid breathing fumes. Use respiratory equipment when high concentrations are possible.

SECTION III PHYSICAL DATA

Boiling Range	900°F	Specific Gravity (H ₂ O=1)	1.0-1.02
Vapor Pressure (mm Hg.)	NEGLIGIBLE	Percent Volatile by Volume (%)	NEGLIGIBLE
Vapor Density (Air @ 1)	N.D.	Evaporation Rate (water = 1)	NEGLIGIBLE
Solubility in Water	NEGLIGIBLE		
Appearance and Odor			
BLACK SEMI-SOLID WHEN COLD. BLACK FLUID WHEN HOT. HEAVY PETROLEUM ODOR.			

N.D.=NOT DETERMINED

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) 450°F min. COC	Flammable or Explosive Limits (Percent by Volume in Air)	Lower Limit N/A	Upper Limit N/A
Extinguishing Media Water fog or spray, dry chemicals, foam, CO ₂			
Special Fire Fighting Procedures Do not use water on asphalt fire in tank or container, since it may splatter and further spread the fire. Use air-supplied breathing equipment for enclosed areas.			
Unusual Fire and Explosion Hazards DO NOT HEAT ABOVE FLASH POINT.			

SECTION V HEALTH HAZARD DATA

Threshold Limit Value Not established, but believed to be the same as for petroleum asphalt fumes at 5 mg/m ³ .
Effects of Overexposure High vapor concentrations may cause dizziness, vomiting, headaches, eye and respiratory irritation. Repeated contact at ambient temperature may cause skin irritation. Guard against contact at elevated temperatures.
Emergency and First Aid Procedures If eye contact occurs, flush with water and get immediate medical attention. In case of skin contact with hot asphalt, cool with water; DO NOT REMOVE IF SKIN IS BURNED, GET MEDICAL ATTENTION. For ambient temperature contact, wash with water or waterless hand cleaner.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility (Materials to avoid)			
Hazardous Decomposition Products Carbon monoxide and carbon dioxide may be formed in the case of incomplete combustion.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled

Add absorbent (earth, sandust, sand) to spill area. Dikes may be created from same materials to prevent flow. Allow to cool and solidify. If product enters waterway, contact authorities.

Waste Disposal Method

Dispose of absorbed material at an approved waste disposal site or facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)

Use air-supplied breathing apparatus if in a contained area.

Ventilation	Local Exhaust As required to remove vapors and fumes.	Special
	Mechanical (General)	

Protective Gloves	Use chemical resistant gloves to avoid contact with hot material.	Eye Protection Use face shield or splash goggles when eye contact may occur.
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Other Protective Equipment
Complete protective clothing when material is being handled hot.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Avoid skin contact. Avoid breathing fumes and vapors.

Other Precautions
Launder contaminated clothing before re-use. Wash skin thoroughly with soap after handling.

PREPARED BY:

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